North America's Leader in Hazardous Material Information Management

1905 Aston Avenue, Carlsbad, CA 92008
Phone (800) 451-8346 Fax (760) 602-8888

MSDS PRODUCT INFORMATION

Date: 10/07/2005

To: MSDS Requester

From: 3E Company

Subject: The MSDS you have requested

[ ] MSDS NOT REQUIRED
In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communicatin Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

[X] MSDS DISCONTINUED PRODUCT
In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

[ ] MSDS BEST COPY AVAILABLE
The MSDS attached is the best copy available from the manufacturer.

[ ] MANUFACTURER NO LONGER IN BUSINESS
In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Fibre Glass-Evercoat Co., Inc.

Product Name: Polyester Fiberglass Repair Kit 637 (DICONTINUED)

MSDS #3 for Kit #637

MATERIAL SAFETY DATA SHEET

Fibre Glass-Evercoat Co., Inc.
6600 Cornell Road
Cincinnati, OH 45242

MSDS Number: 100901
Date:01/01/99

Section A - Product Identification

Product Name: FIBERGLASS CLOTH
.

Product Number (s): 901, 903-906,911, 912, 917, 918, and 925

Section B - Hazardous Ingredients

INGREDIENT	CAS NUMBER	WEIGHT PERCENT	OSHA PEL/TWA	ACGIH TLV	VAPOR PRESSURE
Fibrous glass dust	none	100	5mg/m3*	10 mg/m3*	N/A

* - Exposure limits listed are for respirable dust only.
N/E - Not Established. N/A - Not Applicable.

Section C - Physical Data

Vapor Pressure: N/A
Boiling Point: N/A
Evaporation Rate: N/A

Vapor Density: N/A
Percent Volatile By Volume: N/A
Density: Approx. 6 oz. per cubic yard

Section D - Fire and Explosion Data

OSHA Flammability Class: Combustible Class IIIB
Extinguishing Media: Foam, carbon dioxide, and dry chemical.

Lower Explosion Limit: N/A
Flash Point: N/A

Hazardous Decomposition Products: Fumes may be produced when material is heated to decomposition. Fumes may contain carbon monoxide, carbon dioxide, and various hydrocarbons.
Special Fire fighting Procedures: Use full protective equipment including NIOSH-approved self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: None known.

Section E - Reactivity Data

Stability: Stable.
Incompatible Materials: None known.

Hazardous Polymerization: Not likely.
Conditions To Avoid: None known.

Section F- Spill and Leak Procedures

If Material Is Spilled: Not Likely.

Waste Disposal Procedures: Dispose of in accordance with federal, state, and local regulations.

Section G - Health Hazard Data

Chronic Effects Of Overexposure:

Inhalation of excessive amounts of airborne fibers may cause lung damage. See also Section J.

Acute Effects Of Overexposure:

EYES:	Contact with airborne fibers may result in irritation, redness, tearing, and blurred vision.
SKIN:	Contact with loose fibers may result in irritation of the skin.
INHALATION:	Excessive inhalation of fibers may cause nasal and respiratory irritation.
SWALLOWING:	Ingestion of this material may cause gastrointestinal irritation.

First Aid Procedures:

IF IN EYES:	Flush immediately with large amounts of water for at least fifteen minutes. See physician for medical treatment.
IF ON SKIN:	Immediately wash affected area with soap and water. Remove contaminated clothing. Consult a physician if irritation develops.
IF INHALED:	Remove person to fresh air. Restore breathing. Keep person warm and quiet. Treat symptomatically. Get medical attention.
IF SWALLOWED:	Keep person warm and quiet. Consult a physician or poison control center immediately.

Section H - Special Protection Information

Eye Protection: Safety glasses should be worn.
Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact.
Respiratory Protection: Use NIOSH-approved respirators designed to remove particulate matter.
Ventilation: General dilution or local exhaust ventilation should be provided to keep exposures below acceptable limits (Section B).
Other Protective Equipment: Impermeable clothing should be worn to prevent prolonged or repeated contact of material with the skin
Hygienic Practices: Always wash hands after using this material, and before eating, drinking, or smoking.

Section I - Special Precautions

Precautions To Be Taken In Handling And Storage:. Do not use or store near heat, sparks, or open flame.

Other Precautions: If product is to be sanded, the PEL/TLV must be observed. Keep out of reach of children.
Do not take internally. Avoid contact with eyes and skin.

Section J - Other Information

In June, 1987 the international Agency for Research on Cancer (IARC) categorized fiberglass continuos filaments as not classifiable with respect to human carcinogenicity (Group3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fiberglass continuous filaments as a possible, probable, or confirmed cancer causing material.

MATERIAL SAFETY DATA SHEET

Fibre Glass-Evercoat Co., Inc.
6600 Cornell Road
Cincinnati, OH 45242
Phone: (513) 489-7600
Emergency Phone: CHEMTREC (800) 424-9300

Section A - Product Identification

Product Name: FIBERGLASS RESIN

Product Number(s): 497, 498, 499, 500, and 5193

Section B - Hazardous Ingredients

INGREDIENT	CAS NUMBER	WEIGHT PERCENT	OSHA PEL/TWA	ACGIH TLV	VAPOR PRESSURE
Polyester resin	Proprietary	60-65	N/A	N/A	N/A
Styrene*	100-42-5	35-40	100 ppm	20 ppm	5.0 mmHg@68°F

* - Indicates chemical substance is subject to reporting requirements under SARA Title III, Part 313.
N/A - Not Applicable.

Section C - Physical Data

Vapor Pressure: See Section B
Boiling Point: 295.0 °F
Evaporation Rate: Slower than ethyl ether

Vapor Density: Heavier than air
Percent Volatile by Volume: 35-45%
Weight Per Gallon: 9.25 lbs/gal

Section D - Fire and Explosion Data

OSHA Flammability Class: Flammable Liquid - Class IC
Extinguishing Media: Foam, water spray, carbon dioxide, and dry chemical.

Lower Explosion Limit: 1.1 %
Flash Point: 89 °F

Hazardous Decomposition Products: Fumes may be produced when material is heated to decomposition. Fumes may contain carbon monoxide, carbon dioxide, various hydrocarbons, and irritating acrid fumes.

Special Fire fighting Procedures: Use full protective equipment including NIOSH-approved self-contained breathing apparatus. Water may be used to cool containers to prevent pressure build-up which may rupture containers.

Unusual Fire and Explosion Hazards: At elevated temperatures, such as in a fire, polymerization may take place. If polymerization takes place in a closed container may cause rupture. Product vapors may form an explosive mixture in air.

Section E - Reactivity Data

Stability: Stable.
Incompatible Materials: Strong acids and oxidizing agents

Hazardous Polymerization: May Occur
Conditions To Avoid: Heat and direct sunlight

Section F- Spill and Leak Procedures

If Material Is Spilled: Remove all sources of ignition. Ventilate the area. Wear protective equipment (See Section H). Avoid breathing vapors. Contain spill. Collect with inert absorbent and remove. Dispose of properly.

Waste Disposal Procedures: Dispose of in accordance with federal, state, and local regulations. Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Before attempting clean-up or disposing of material, refer to hazard information in other sections of this sheet.

Section G - Health Hazard Data

Chronic Effects Of Overexposure:

Excessive overexposure to styrene has been found to cause the following effects in laboratory animals: Liver abnormalities, kidney damage and lung damage. (See also Section J).

Acute Effects Of Overexposure:

EYES:	Contact with liquid or vapor may result in irritation, redness, tearing, and blurred vision.
SKIN:	Contact with wet material may result in irritation of the skin and possible dermatitis.
INHALATION:	Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache, and dizziness.
SWALLOWING:	Ingestion of this material may cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Aspiration of material into the lungs due to vomiting may produce chemical pneumonitis which can be fatal.

First Aid Procedures:

IF IN EYES:	Flush immediately with large amounts of water for at least fifteen minutes. See physician for medical treatment.
IF ON SKIN:	Immediately wash affected area with soap and water. Remove contaminated clothing. Consult a physician if irritation develops.
IF INHALED:	Remove person to fresh air. Restore breathing. Keep person warm and quiet. Treat symptomatically. Get medical attention.
IF SWALLOWED:	Keep person warm and quiet. Consult a physician or poison control center immediately.

Section H - Special Protection Information

Eye Protection: Splash goggles should be worn.
Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. Barrier cream may be worn for additional skin protection.
Respiratory Protection: Use NIOSH-approved respirators designed to remove particulate matter and organic solvent vapors.
Ventilation: General dilution or local exhaust ventilation should be provided to keep exposures below acceptable limits (Section B) and to keep solvent vapors below the lower explosion limit.
Other Protective Equipment: Impermeable clothing should be worn to prevent prolonged or repeated contact of wet material with the skin.
Hygienic Practices: Always wash hands after using this material, and before eating, drinking, or smoking.

Section I - Special Precautions

Precautions To Be Taken In Handling And Storage: Store material in a cool, well-ventilated area. Do not store at temperatures above 75 °F. Do not use or store near heat, sparks, or open flame. Keep containers tightly closed. Avoid contact with incompatible materials.
Other Precautions: This product must be mixed with catalyst prior to use. Please refer to Material Safety Data Sheet for catalyst before using. If product is to be sanded, the PEL/TLV of 10 mg/m3 for nuisance dusts should be observed. Keep out of reach of children. Do not take internally. Avoid contact with eyes and skin.

Section J - Other Information

The International Agency for Research on Cancer (IARC) has classified styrene as a group 2B Carcinogen (possibly carcinogenic to humans). This classification is not based on evidence that styrene may be carcinogenic, but rather on a revised definition for Group 2B, and consideration of new data on styrene oxide. A number of lifetime animal studies with styrene, including those in the NCI Bioassay Program, have not shown styrene to be carcinogenic.

WARNING: This product contains a chemical known to the state of California to cause cancer.

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Liquid Hardener
Product Numbers: 100602, 100603, 101601, 101604 and 101605
Product Use: Polymerization initiator

Company

Fibre Glass-Evercoat
a Division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, Ohio USA
Phone: 513-489-7600

Packaged By:
Rocket Plastics Co.
P.O. Box 429514
Montgomery, Ohio USA 45242

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

Prepared By: Safety Department

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Propanoic acid, ester	6846-50-0	229-934-9	60 – 70
Methyl Ethyl Ketone Peroxide	1338-23-4	215-661-2	30 – 35
Hydrogen Peroxide	7722-84-1	231-765-0	0.001 – 3.0
Water	7732-18-5	231-791-2	0.001 – 2.0
Methyl Ethyl Ketone	78-93-3	201-159-0	0.001 – 2.0

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER! ORGANIC PEROXIDE. HEAT OR CONTAMINATION MAY CAUSE HAZARDOUS DECOMPOSITION. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED.

Potential Health Effects

Acute Effects (Short Term):

Eye: Contact with liquid or vapor may result in burns and possibly permanent damage. Symptoms may include burning, redness, tearing, and blurred vision.

Skin: May cause severe skin irritation with blistering. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing: Ingestion of this material may cause severe gastrointestinal irritation, or burns of the mouth, throat, esophagus and stomach, nausea, diarrhea, and vomiting. Aspiration of this material into the lungs due to vomiting may cause severe lung injury.

Inhalation: Excessive inhalation of vapors may cause severe nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache, and dizziness. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Chronic Effects of Overexposure (Long Term):

Product: Prolonged and /or repeated inhalation is expected to be severely irritating to the respiratory system.

Methyl Ethyl Ketone: Animal tests show that this substance possibly causes toxic effects upon human reproduction.

Cancer Information: This product does not contain any substance, which is listed as a carcinogen by NTP, IARC or OSHA.

Other Health Effects: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Primary Route(s) of Entry: Inhalation, Skin contact, Eye contact, Ingestion, Skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention. DO NOT let victim rub eyes. Do not attempt to use any neutralization chemicals.

Skin: Immediately remove contaminated clothing. Wash exposed area with soap and water. Seek medical attention. Launder clothing before reuse.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, oxygen may be benificial if administered by trained personnel.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 179.6 ºF (82.0 ºC)
Explosive Limit: **Lower:** 2.0% **Upper:** 11.0%
Autoignition Temperature: Not Determined
OSHA Flammability Class: Combustible Liquid – Class IIIA

Hazardous Products of Combustion: May form toxic and corrosive gases: carbon dioxide, carbon monoxide, water, acetic acid, formic acid, propionic acid, methyl ethyl ketone and various hydrocarbons.

Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

Extinguishing Media: Regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

NFPA Rating: Health - 3, Flammability - 2, Reactivity - 2

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbant and dispose of properly.

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation. Do not breathe vapors or spray mist. Do not take internally. Close container after each use. **Keep out of reach of children.**

Storage: Store material in a cool, well-ventilated area. For maximum product quality, avoid prolonged storage at temperatures above 75°F (25°C). To prevent possible self-accelerating decomposition, temperatures in the storage facility must not exceed 131°F (55°C). Do not use or store near heat, sparks, or open flame. Keep container tightly closed. Avoid contact with incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Hydrogen Peroxide	7722-84-1	1 ppm	1 ppm
Methyl Ethyl Ketone	78-93-3	200 ppm	200 ppm
Methyl Ethyl Ketone Peroxide	1338-23-4	N/E	0.2 ppm C

Mppcf- millions of particles per cubic foot of air N/E-Not Established C-Ceiling

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	176 - 536 °F/ 80 - 280 °C	**Vapor Density:**	Heavier than air.
Specific Gravity / Density:	1.0/ 8.42 lbs/gal	**Percent Volatiles by weight:**	Not Available
Evaporation Rate:	Slower than ethyl ether.	**Physical State:**	Liquid
Melting Point:	32 °F / 0 °C	**pH:**	Not Determined
Odor:	Ketone odor.	**Solubility:**	Moderate in water.
Vapor Pressure:	23.2 mmHg @ 68 °F / 20 °C (H_2O_2)	**Appearance:**	Clear, Colorless Liquid
Octanol/Water Partition Coefficient:	Unknown	**VOC (as packaged-less exempts and water):**	0.168 lbs/gal or 20 g/L

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product may undergo hazardous polymerization if exposed to temperatures above 131°F (55°C).

Hazardous Decomposition: May form toxic and corrosive gases: carbon dioxide, carbon monoxide, oxygen, ethane, methane, and various hydrocarbons.

Chemical Stability: Stable under normal handling conditions.

Incompatibility: Avoid contact in uncontrolled conditions with: organic materials, inorganic acids, strong oxidizing agents, accelerators, reducing materials and strong bases.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD_{50} Oral-Rat	LC_{50} Inhalation-Rat
Methyl Ethyl Ketone Peroxide	1338-23-4	484 mg/kg	200 ppm/4H
Propanoic Acid, ester	6846-50-0	>3,200 mg/kg	N/E
Methyl Ethyl Ketone	78-93-3	2,737 mg/kg	23,500 mg/m^3/8H

Carcinogenicity: See Cancer Information, Section 3.
Mutagenicity: No significant evidence found.
Teratogenicity: Development inhalation toxicity studies with methyl ethyl ketone in rats and mice resulted in fetal toxicity at maternally toxic doses.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: The ecological toxicity of this product is not known.

SECTION 13. DISPOSAL CONSIDERATION

RCRA Hazardous Waste: This material as supplied, if discarded, would be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state, and local regulations.

RCRA Hazard Class: This material would be regulated as EPA Hazardous Waste Number D001 based on the characteristic of ignitablity (oxidizer), D002 based on the characteristic of corrosivity, D003 based on the characteristic of reactivity, U160 (contains MEKP) and D035 (contains MEK).

SECTION 14. TRANSPORT INFORMATION

DOT Description: The DOT Classification for shipping is dependant on quantity, type of packaging (a kit may include other components), or method of shipment.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (USA) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

Component	RQ (lbs.)
Methyl Ethyl Ketone Peroxide	10
Methyl Ethyl Ketone	5000

SARA Title III: Section 302- Extremely Hazardous Substances
None

SARA Title III: Section 313- Toxic Chemical List

Component	CAS Number	Percentage
Methyl Ethyl Ketone	78-93-3	0.001 – 2.0%

International Regulations

EINECS (Europe) The intentional ingredients of this product are listed.

DSL (Canada) The intentional ingredients of this product are listed.

WHMIS Classification

Health Hazard: C, D2A, E, F (Oxidizer, Toxic Effects, Corrosive, Dangerously Reactive Materials)

Physical Hazard: B3 (Combustible)

State and Local Regulations

California Proposition 65:

This product contains the following chemical(s) known to the state of California to cause cancer. NONE

This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. NONE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health – 3, Flammability - 2, Reactivity - 2

Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Other Precautions for Use: DO NOT return unused material to the original container. DO NOT contaminate product with foreign materials, it may cause hazardous decomposition. Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.